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Sound system equipment –

Part 16: Objective rating of speech intelligibility by speech transmission index

Equipements pour systèmes électroacoustiques –

*Partie 16:
Evaluation objective de l'intelligibilité de la parole
au moyen de l'indice de transmission de la parole*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SOUND SYSTEM EQUIPMENT –**Part 16: Objective rating of speech intelligibility
by speech transmission index**

FOREWORD

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International Standard IEC 60268-16 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

This third edition cancels and replaces the second edition, published in 1998. This third edition constitutes a technical revision.

The text of this standard is based on the following documents:

| FDIS | Report on voting |
|--------------|------------------|
| 100/650/FDIS | 100/677/RVD |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

A bilingual edition of this standard may be issued at a later date

SOUND SYSTEM EQUIPMENT –

Part 16: Objective rating of speech intelligibility by speech transmission index

1 Scope

This part of IEC 60268 defines objective methods for rating the transmission quality of speech with respect to intelligibility. The four methods, which are closely related, are referred to as the “STI,” the “STITEL”, the “STIPA” and the “RASTI” methods (see Clause 3). The methods are intended for rating speech transmission with or without sound systems.

A survey of other methods of determining or predicting speech intelligibility is also included, together with a method of correlating the results of different methods of determination.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4870:1991, *Acoustics – The construction and calibration of speech intelligibility tests*

ITU-T Recommendation P.51:1996, *Artificial mouth*